

	<u>June 11, 1956</u>	<u>July 10, 1956</u>
August	500	500
September	(Schedule	1,000
October	as	1,500
November	required	0
December	by Sales)	0

Since the introduction of the 244 Remington in Models 740 and 760 was first considered, the Sales Department has requested consideration of the introduction of a 100 grain bullet in this cartridge, and this is now under development in Bridgeport. It was pointed out that the twist used in the Model 722 (1 in 12 inches) was chosen to favor the light varmint type bullets originally introduced in the 244 Remington. Although tests to date indicate that the cartridge with 100 grain bullet may be fired successfully in the present rifle, it will certainly be borderline for stability, and heavier bullet weights such as 110 grains will be out of the question.

If consideration is ever to be given to a change in the twist to accommodate heavier bullets, it should be done now before Model 740 and Model 760 rifles are distributed with the present twist. It is believed that 110 grains is perhaps as heavy as bullets in this caliber can be made with satisfactory accuracy because of the high length-to-diameter ratio in the small diameter bullets. To accommodate bullets this heavy, the twist should probably be increased to 1 in 9-1/2 inches. Although no measurements are available, it has been estimated by ballistic engineers in Research and Development that this change might increase group size for the 75 grain varmint bullet by as much as 75 per cent.

After extended discussion, it was agreed that, since this cartridge was initially introduced as a varmint cartridge, such an increase in group size cannot be tolerated. We will therefore continue with the present twist of rifling, anticipating that performance with 100 grain bullets will be satisfactory and recognizing that it will not be possible to introduce bullet weights heavier than 100 grains.

#### 222 Remington

The Sales Department has estimated that during the first year 5,000 Model 760 rifles in 222 Remington caliber might be sold, and in the normal year 3,500. Economics were presented on the basis of a retail price of \$107.70 for the A grade and \$123.75 for